

AMENDMENT

Attorney Docket Q63090

**IN THE CLAIMS:**

**Please enter the following amended claims:**

a1 3. (Amended) A method according to claim 1, characterized in that, to filter the noise signal, the statistical distribution of the noise power measurements is observed for a particular period (T) during which a statistically representative number of measurement samples is collected and which is sufficiently short for the noise to remain practically stationary.

5. (Amended) A method according to claim 3, characterized in that the noise value used is the maximum value over the particular period (T).

6. (Amended) A method according to claim 3, characterized in that the moments of the distribution are determined.

8. (Amended) A method according to claim 1, characterized in that a finite or infinite impulse response low-pass filter is used to filter the noise signal.

9. (Amended) A method according to claim 1, characterized in that a finite impulse response filter is used to filter the wanted signal ( $E_b$ ).

11. (Amended) A method according to claim 9, characterized in that the transmitter provides a reference signal with a regular period at a particular level and the signal-to-noise ratio is estimated from that reference signal.

AMENDMENT  
Attorney Docket Q63090

QH  
12. (Amended) A method according to claim 1, characterized in that an infinite impulse response filter is used to filter the estimate of the wanted signal.

---

14. (Amended) A method according to claim 12, characterized in that packets or cells are received sporadically and each packet or cell received is filtered.

Q5  
15. (Amended) An application of the method according to claim 1 to estimating the signal-to-noise ratio in a telecommunications receiver sending data for controlling the power of a corresponding transmitter.

---

**IN THE ABSTRACT:**

Please add the following Abstract: